

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number
WO 2004/031444 A2

(51) International Patent Classification⁷: **C23C 18/00**

GU14 0LX (GB). **DAMERELL, William, Norman** [GB/GB]; Qinetiq Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX (GB).

(21) International Application Number:
PCT/GB2003/004203

(74) Agent: **RICHARDSON, Mark**; IP QinetiQ Formalities, Cody Technology Park, A4 Building, Room G016, Ively Road, Farnborough, Hampshire GU14 0LX (GB).

(22) International Filing Date:
29 September 2003 (29.09.2003)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
0223018.3 4 October 2002 (04.10.2002) GB

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **QINETIQ LIMITED** [GB/GB]; Registered Office, 85 Buckingham Gate, London SW1E 6PD (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **TOMKA, George, Jiri** [GB/GB]; Qinetiq Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX (GB). **PUGH, Rhian, Jenna** [GB/GB]; Qinetiq Limited, Cody Technology Park, Ively Road Farnborough, Hampshire GU14 0LX (GB). **JOHNSON, Daniel, Robert** [GB/GB]; Qinetiq Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX (GB). **GORE, Jonathan, Geoffrey** [GB/GB]; Qinetiq Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire

Declaration under Rule 4.17:

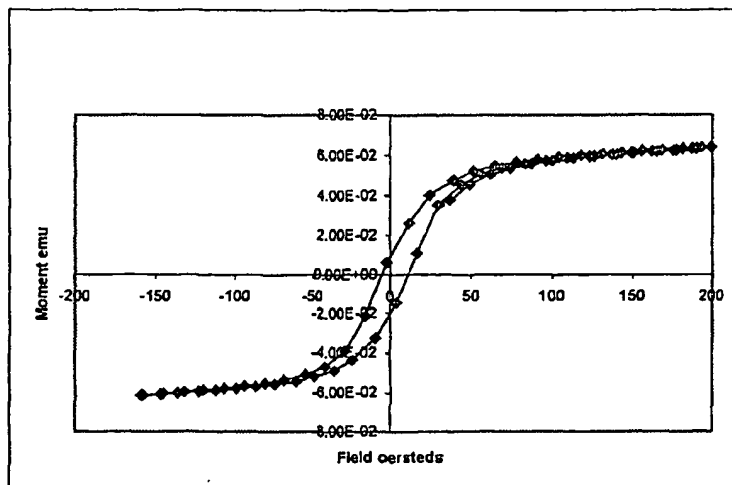
— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *without international search report and to be republished upon receipt of that report*

[Continued on next page]

(54) Title: METHOD OF FABRICATING A MAGNETIC TAG



(57) Abstract: Existing techniques for manufacturing multi-bit magnet tags are time consuming and/or incapable of producing highly defined magnetic elements. This invention provides method of fabricating a magnetic tag having a multiple number of information bits on its surface which method comprises forming some or all of the information bits by depositing magnetic material onto the surface by means of an electroless deposition reaction.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.